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(74) Agent: MEYER, Michael; Philips Intellectual Property & Standards GmbH, Weiss hausstr. 2, 52066 Aachen (DE).

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(71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]**; Stein-damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US): **KONINKLIJKE PHILIPS ELECTRONICS N. V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RÜTTEN, Walter** [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weiss hausstr. 2, 52066 Aachen (DE). **OVERDICK, Michael** [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weiss hausstr. 2, 52066 Aachen (DE).

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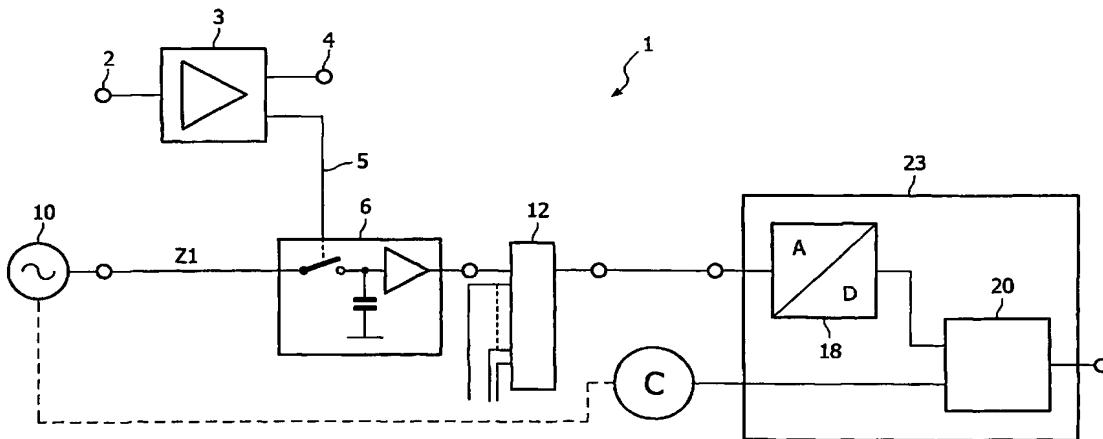
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(54) Title: DETECTOR FOR THE TEMPORALLY RECORDING OF DETECTION EVENTS



(57) Abstract: The invention relates to a detector for the temporally resolved recording of detection events, comprising a converter device (34, 35, 36), which in the operating state supplies an electrical signal when a detection event occurs, and evaluation electronics (1) having at least one trigger (3) which is coupled to the converter device (34, 35, 36) and is designed to supply a trigger signal (5) that is temporally assigned to the electrical signal, at least one time signal source (10) that supplies a first analog time signal (Z1), and at least a first sampler (6) which is coupled to the trigger (3) and is designed to provide a first momentary value (El) of the first analog time signal (Z1), said first momentary value being temporally assigned to the trigger signal (5).

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